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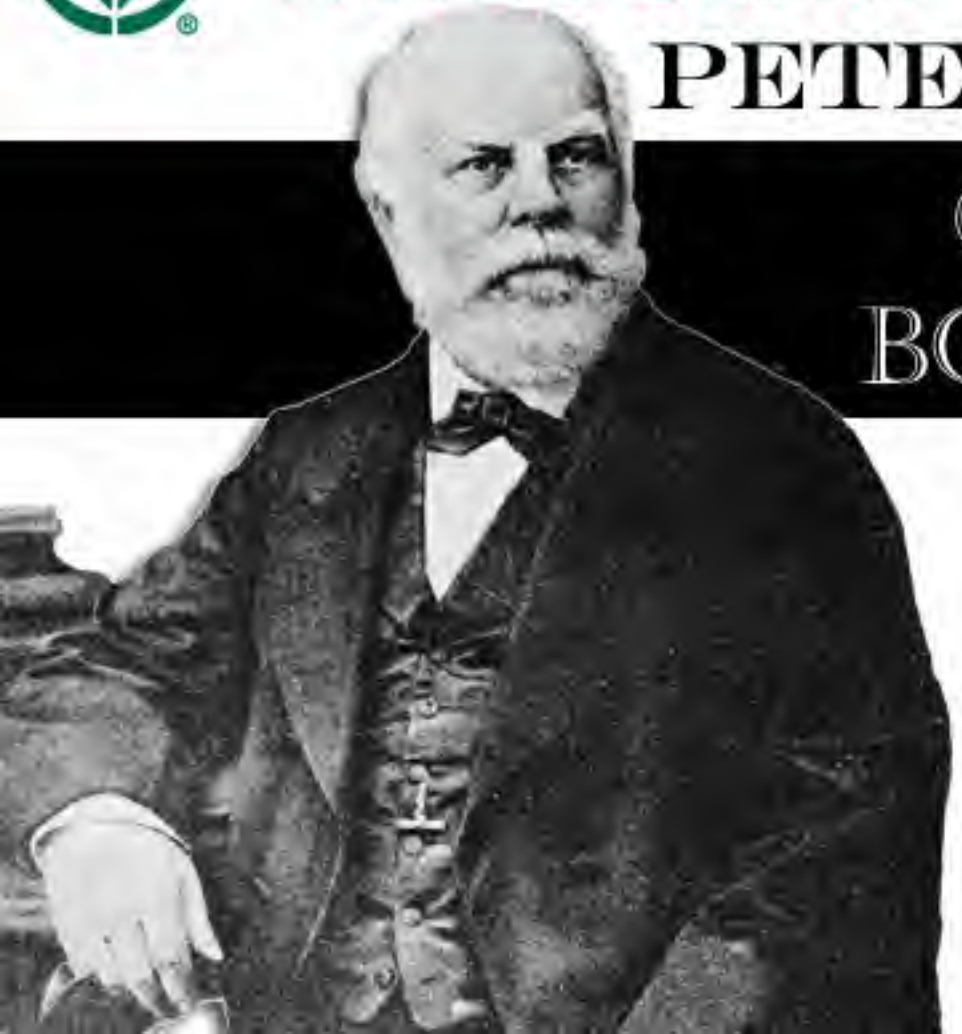

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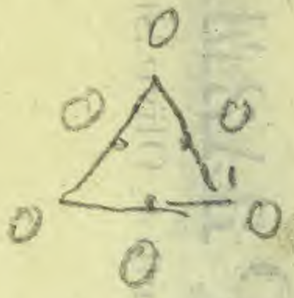
Oct 25 - 1865 -

Jersey

Simoda & Japan

Williams & Morrow

= Ht Gray



Why not xiphioides ?

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9831

Oct 25 1866

Isoetes

Herb Hance N 599

Hongkong sub nom I. Coromandelina

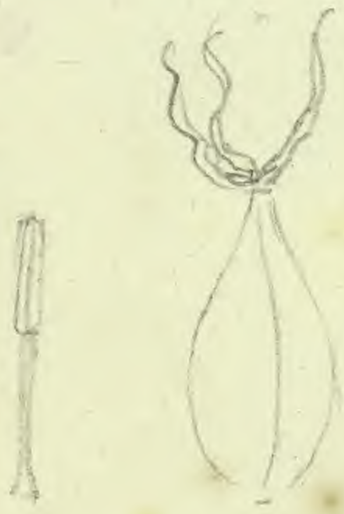
3–4 inches high
heads 5-fl

×60

6–7 rib

×150

ext. segments a little shorter



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August.....	3	.....	1	.....	1	2 .....
September.....	4	.....	.....	1	4	8 .....
October	3	1	1	1	7	1 .....
November	2	3	.....	7	.....	7 .....
December	2	3	.....	.....	.....	6 .....
	50 + el.	36 + el.	23 — el.	28 — el.	15 no el.	34 no el.

Snowing was accompanied

	By Positive Electricity.		By Negative Electricity.		By no Electricity.	
	In 1861.	In 1862.	In 1861.	In 1862.	In 1861.	In 1862.
January.....	3	9	.....	2	.....	.....
February.....	12	8	.....	1	.....	.....
March	3	12	.....	.....	.....	.....
October.....	.....	1	.....	.....	.....	.....
November	.....	4	.....	.....	.....	.....
December	5	2	2	.....	.....	1 .....
	23 + el.	36 + el.	2 — el.	3 — el.	.....	1 no el.

REMARKS.

The monthly mean of atmospheric electricity in 1862 was not quite so regular as that in 1861. While in 1861 an un-

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December; the second with a mean electricity by the months of March, April, May and October; and the third with the lowest electricity by the months of June, July, August and September.

The aggregate monthly mean of

The first group in 1861 is	52.9	—in 1862,	54.6
The second	"	"	33.5	"	35.2
The third	"	"	14.1	"	10.5

Thus in 1861 the third group prevailed, and in 1862 the first and second. But these differences are so well balanced throughout the year, that the mean of the whole year in 1861 and in 1862 is exactly the same, namely, 8.4. Such an identity in the yearly result, even to decimals, is of course not to be expected every year; but it seems to prove, at least, that the yearly mean of electricity is as constant as that of temperature, of relative humidity, and of atmospheric pressure.

The third table, showing the daily periodicity of atmospheric electricity, confirms the daily two maxima and two minima of electricity as an undeniable fact.

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0 1 2 3 4 5 6 7 8 9 10 cm
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2332 Juncus chlorocephalus Jan 5 1866

vaginae auriculatae

ovarium obovatum

sepala pallida c 6 3 nervia
ovata extrorsum mucronata intus supra medium

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2338 Simmsia chlorocephala Jan 7 1866

X10

largest specimen

seed of ordinary stem

X10

seed of ordinary leaf

seed of largest leaf

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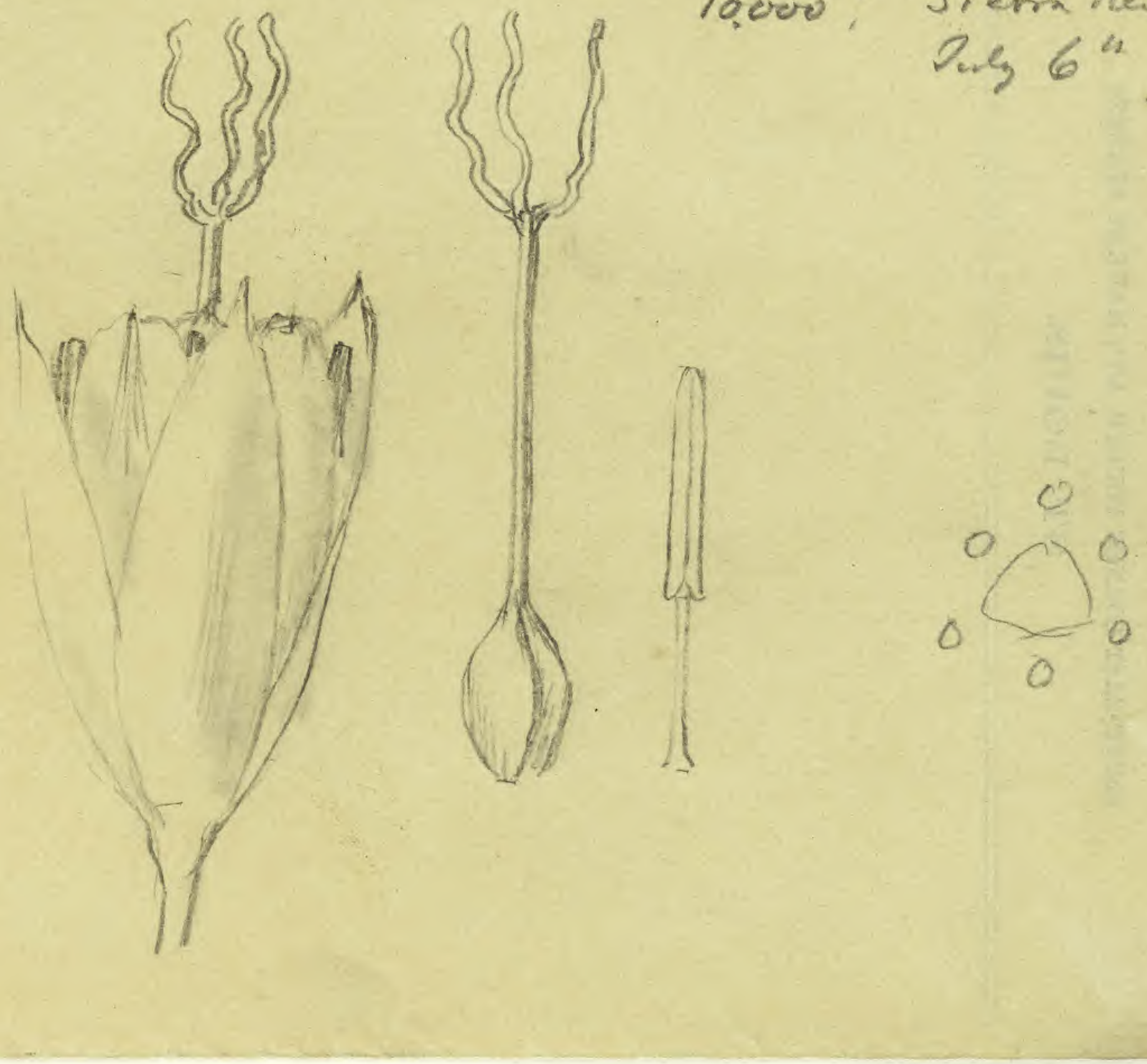
1864 Californ
State Survey
Brewer mis.

T. chlorocephalus

Flor. 26 1866

Dry places on peaks near Mt Dana
10,000' Sierra Nevada
July 6th.



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M. W. ALEXANDER,

SOUTH-EAST CORNER FOURTH AND MARKET STREETS

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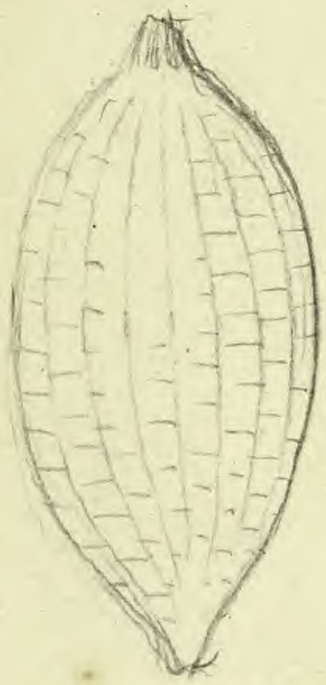
6033

Hb. norm 99

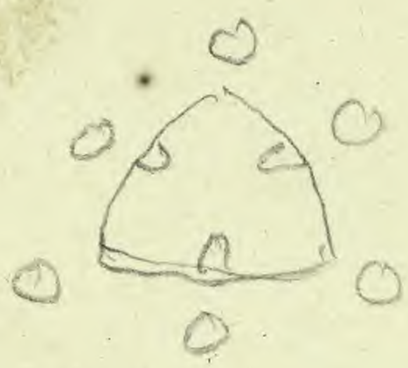
I. chloroseptica

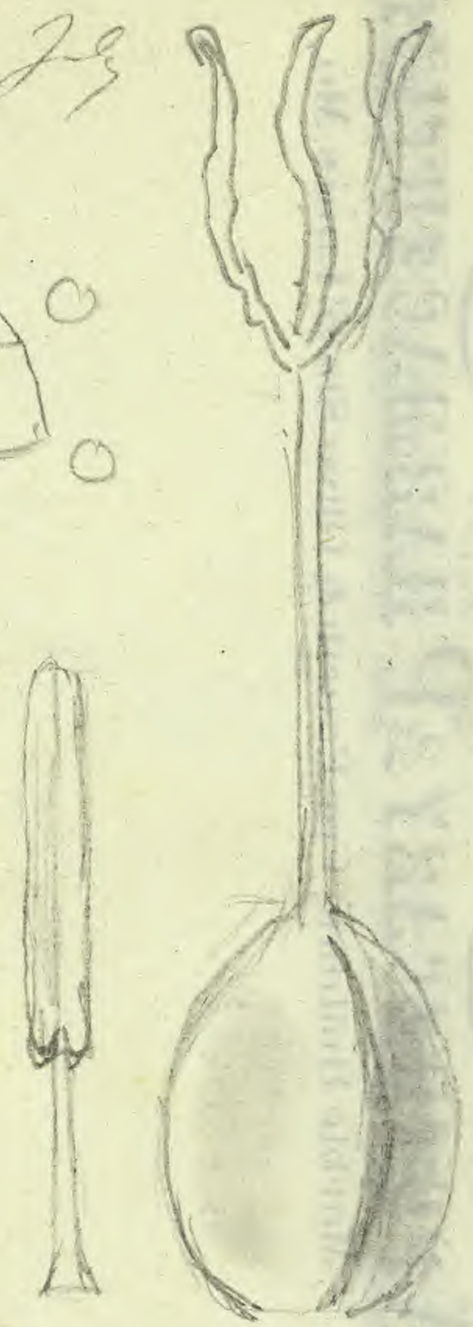
Yosemite Valley Jun - Jly

July 28 1869



7 – 8 ribs visible
seed very unripe
impossible to ascertain
whether cross circulation
but none at all visible
now, though reticulation
distinct.





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GRATIS EXCHANGE
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796-83

interrupted descent and ascent took place from January to December, we find in 1862 some interruptions in the steps of that ladder. The electricity in February, 1862, is about four degrees higher than that of January, April somewhat higher than March, and July is the lowest instead of September in 1861. These trifling irregularities may be accounted for by differences in temperature and relative humidity, and by a greater number of thunderstorms in 1862. January of 1862, for instance, was so unusually rainy, that its relative humidity too was unusually high, diminishing thus electricity. But the general features of distribution of electricity throughout the year are apparent in both years, and we may in that respect divide the twelve months of each year into two or three groups. Computing the months which give the highest electricity and those which give the lowest in each year, we find that in both years the months of January, February, March, April, November and December exhibit the highest, and the months of May, June, July, August, September and October the lowest electricity. The first group gives

The aggregate monthly mean of	71.5	degrees of	electricity	in 1861
and	74.6	"	"	" 1862
While the second group gives	29.0	"	"	" 1861
and	25.7	"	"	" 1862

The second group prevailed therefore in 1861, and the 1st

VI. The appearance of negative electricity was connected in

1861. No. times.	1862. No. times.	
30	32	with thunderstorms.
23	28	with rains without thunder and lightning.
20	4	with dry storms (without rain and without thunder and lightning).
4	3	with snow.
1	0	with fog.
78	67	

VII. *Relation of Rain and Snow to Electricity.*

Rain without thunderstorm was accompanied

	By Positive Electricity.		By Negative Electricity.		By no Electricity.	
	In 1861.	In 1862.	In 1861.	In 1862.	In 1861.	In 1862.
January.....	7	5	3	2	.....	2 .....
February	2	1	4	1		

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GIFT OF
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Dr. Lechenaultii J. Gay Oct 6 25 1865

Hongkong

Chs Wright N. 554. - Hb Gray

×60

×10

leaf

Bolbophyllum cuspidatum

Capsule & sepals pale green

root of leaf ×10

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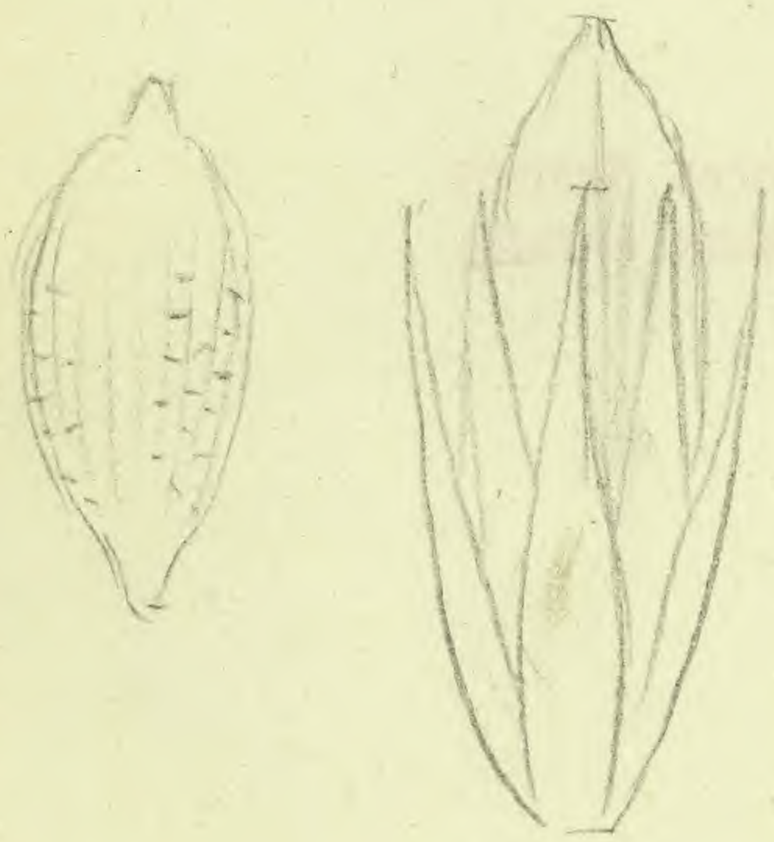
Oct 25 1865

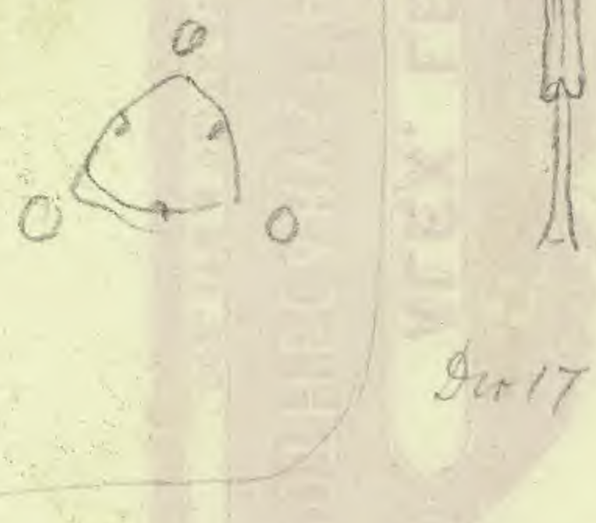
I. L

Loo Choo Isl., Wright 329

Hb Jacq.

15–18 Fascic. h.-sp.





Dec 17 1866

Sr Jos Wilson = HG Durand is the same (ibid. Lect. Dec. 1853)
sequla interiora Taxa plants longiora! - omnia (5 nervia
exlinia nimis distincte

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Dactylorhiza Lapponica ? Oct 25 1865

Tibet, 7000'

J. Thomson — No 9a

anthers long
as filaments

green sepals & capsule

interior sepals scarcely
a little longer than exter
all acute, but not
subulate

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MISSOURI BOTANICAL GARDEN ENGELMANN HERBARIUM

1486

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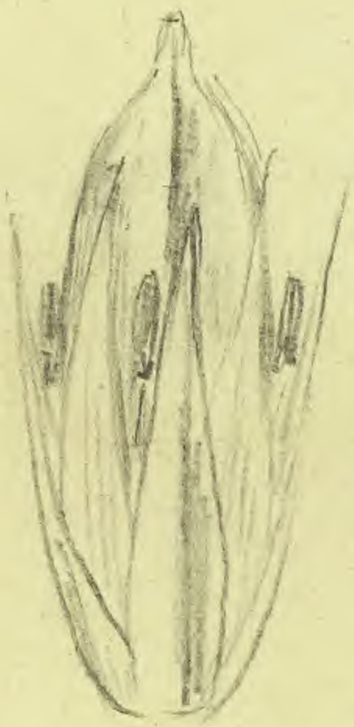
" Juncus Leschenaultii Gay " Or. 26 1865

Khasia, 2nd. Or. Hooker & Thomson

4–6000' high ± Hb Grey

(Sikkim 8–10000 feet, the same)

x60



seed of leaf

foli teretiusculi vaginis

ovate, habit of sporadic

leaves terete, very knotty

Caps sharp pointed

equal, a little longer

than anthers

or of equal length

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Imum Leschenault: J Gay

Nilghiri Mts to Hook & Thoms
Hong Kong. Wright Hance
Loo Choo Isld. Wright
& Tor Wilson = HG Reichenbach
Canton Williams

Var? erecta, scripoides,
fol. rotosis
Sikkim & Khasia
Hook & Thoms

Var? 6 caudata.

Tibet comm. T. Thomson

Sikkim ?

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9843

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J. Leschenaultii

Zw. 23 1868

= *B. rom.* : *J. cyperoides* Le Hard !

= *nov. sp.* *J. stellatus*.

Kunth Abd. der Nöder

et HB. Schimper N. 29

×60

semi-distincte
reticulatis, margine
circulatis

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